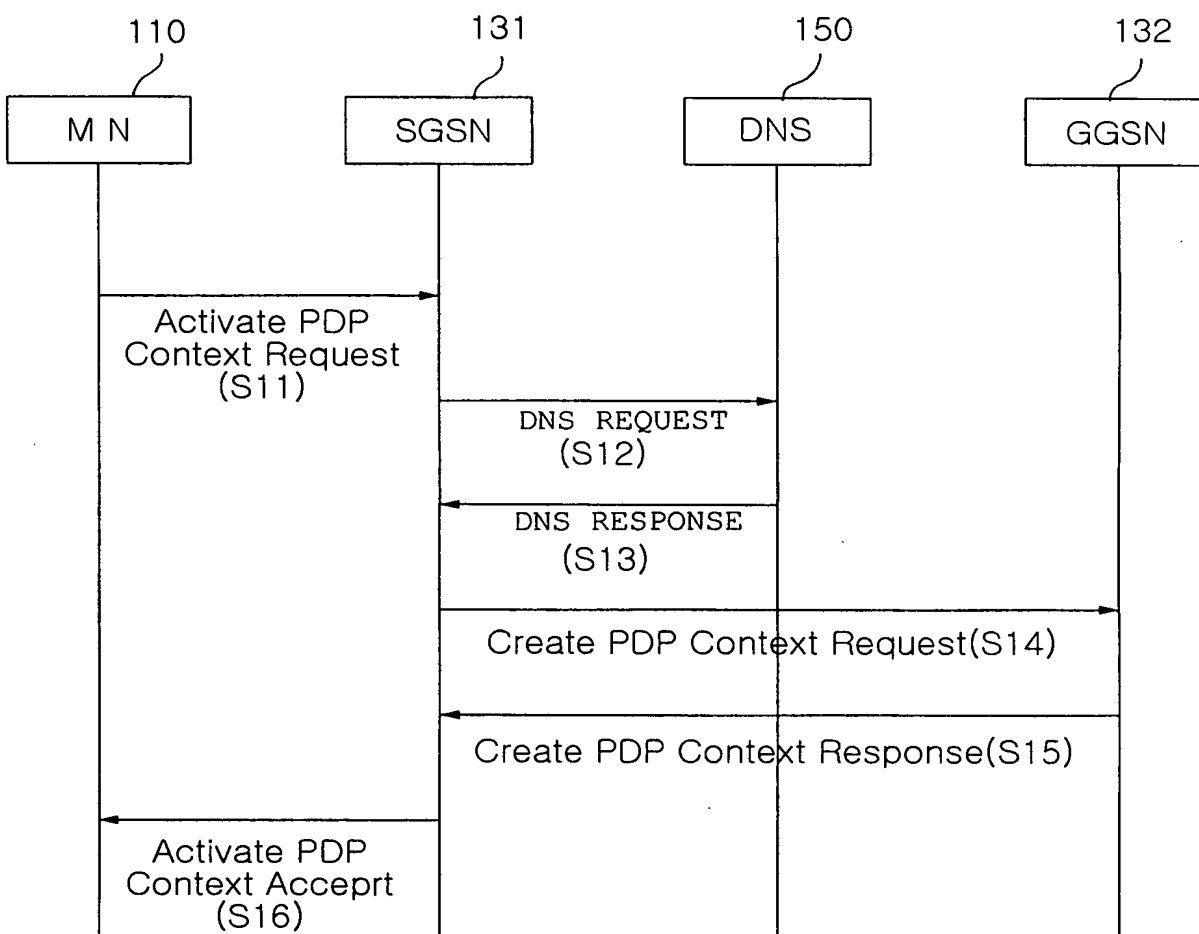


FIG. 1



PRIOR ART

FIG. 2

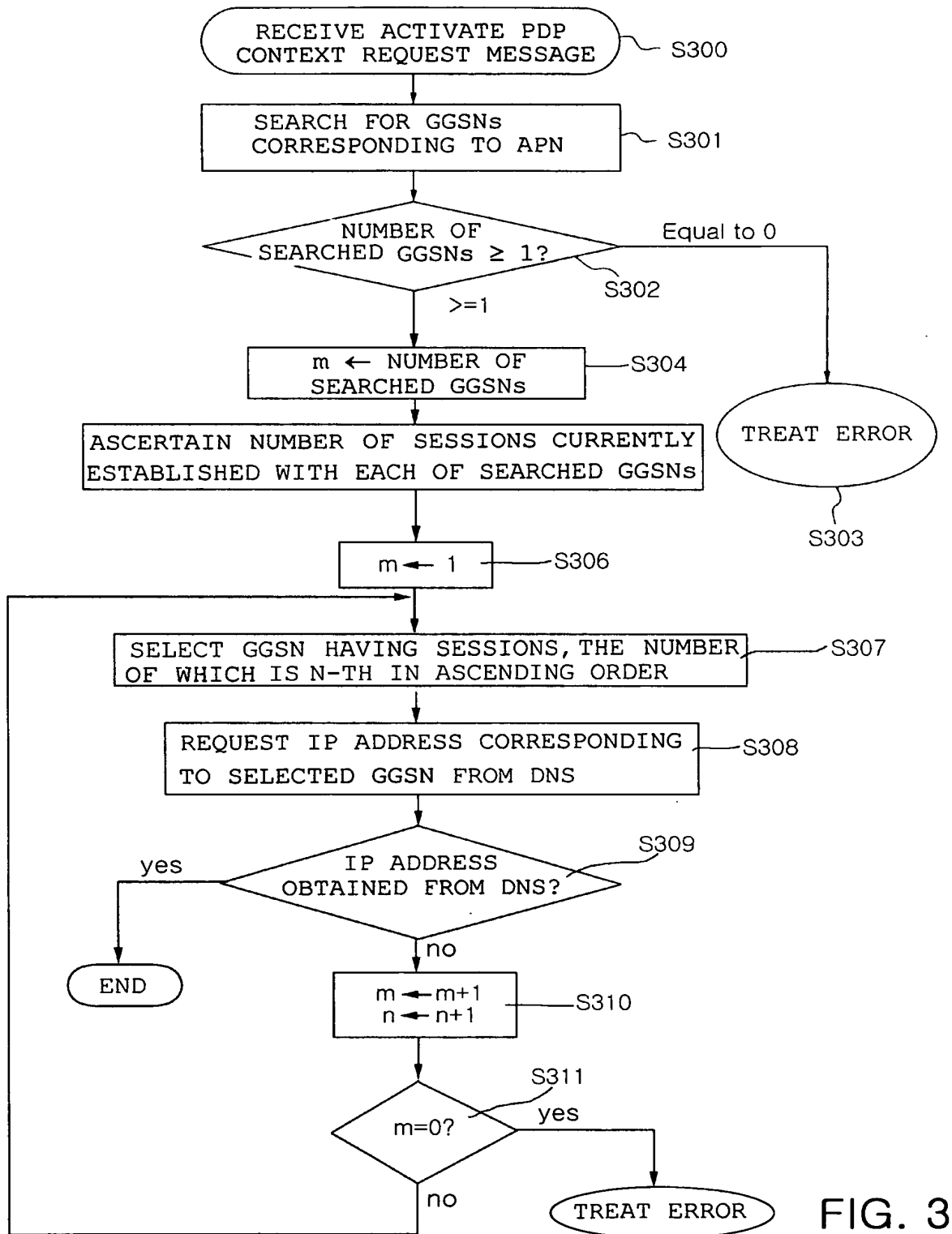


FIG. 3

Octets	Bits							
	8	7	6	5	4	3	2	1
1	Version			PT	(*)	E	S	PN
2	Message Type							
3	Length (1 st Octet)							
4	Length (2 nd Octet)							
5	Tunnel Endpoint Identifier (1 st Octet)							
6	Tunnel Endpoint Identifier (2 nd Octet)							
7	Tunnel Endpoint Identifier (3 rd Octet)							
8	Tunnel Endpoint Identifier (4 th Octet)							
9	Sequence Number (1 st Octet) ^{1) 4)}							
10	Sequence Number (2 nd Octet) ^{1) 4)}							
11	N-PDU Number ^{2) 4)}							
12	Next Extension Header Type ^{3) 4)}							

GTP HEADER FORMAT

FIG. 4a

Information element	Presence requirement
IMSI	Conditional
Routing Area Identity (RAI)	Optional
Recovery	Optional
Selection mode	Conditional
Tunnel Endpoint Identifier Data I	Mandatory
Tunnel Endpoint Identifier Control Plane	Conditional
NSAPI	Mandatory
Linked NSAPI	Conditional
Charging Characteristics	Conditional
Trace Reference	Optional
Trace Type	Optional
End User Address	Conditional
Access Point Name	Conditional
Protocol Configuration Options	Optional
SGSN Address for signalling	Mandatory
SGSN Address for user traffic	Mandatory
MSISDN	Conditional
Quality of Service Profile	Mandatory
TFT	Conditional
Trigger Id	Optional
OMC Identity	Optional
Private Extension	Optional

INFORMATION ELEMENTS OF CREATE PDP
CONTEXT REQUEST MESSAGE

FIG. 4b

Information element	Presence requirement
Cause	Mandatory
Reordering required	Conditional
Recovery	Optional
Tunnel Endpoint Identifier Data I	Conditional
Tunnel Endpoint Identifier Control Plane	Conditional
Charging ID	Conditional
End User Address	Conditional
Protocol Configuration Options	Optional
GGSN Address for Control Plane	Conditional
GGSN Address for user traffic	Conditional
Alternative GGSN Address for Control Plane	Conditional
Alternative GGSN Address for user traffic	Conditional
Quality of Service Profile	Conditional
Charging Gateway Address	Optional
Alternative Charging Gateway Address	Optional
Private Extension	Optional

INFORMATION ELEMENTS OF CREATE
PDP CONTEXT RESPONSE MESSAGE

FIG. 4c

CONFIGURATION INFORMATION	DESCRIPTION
IMSI	USER IDENTIFICATION INFORMATION (SUBSCRIBER PHONE NUMBER)
SGSN -C	TEID-C VALUE GENERATED BY SGSN
SGSN -U	TEID-U VALUE GENERATED BY SGSN
GGSN -C	TEID-C VALUE GENERATED BY SGSN
GGSN -U	TEID-U VALUE GENERATED BY SGSN

TABLE INFORMATION FOR SESSION IDENTIFICATION
IN SGSN AND GGSN

FIG. 5